



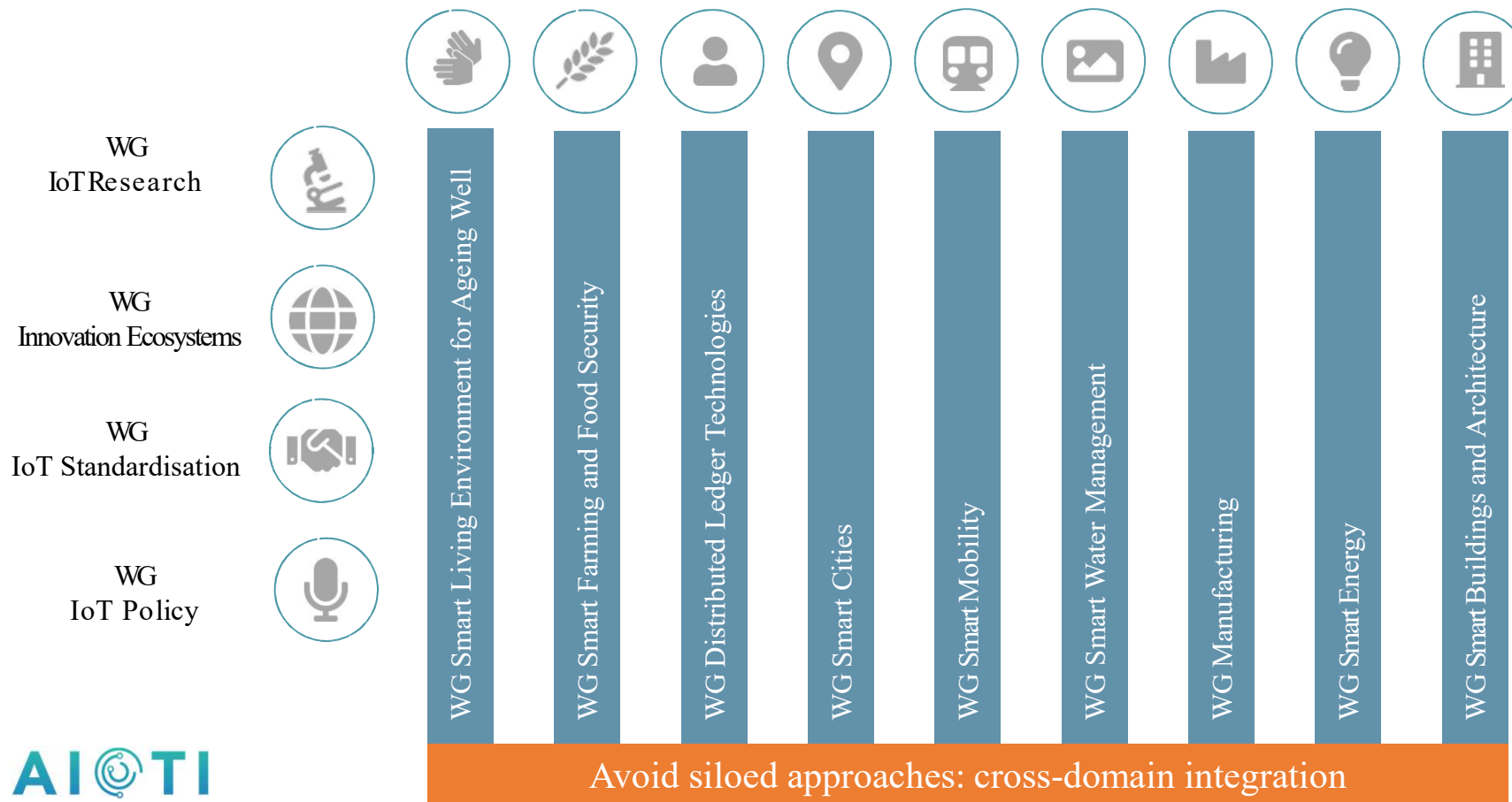
Alliance for
Internet of Things
Innovation

IoT Week • 20th June 2019, Aarhus

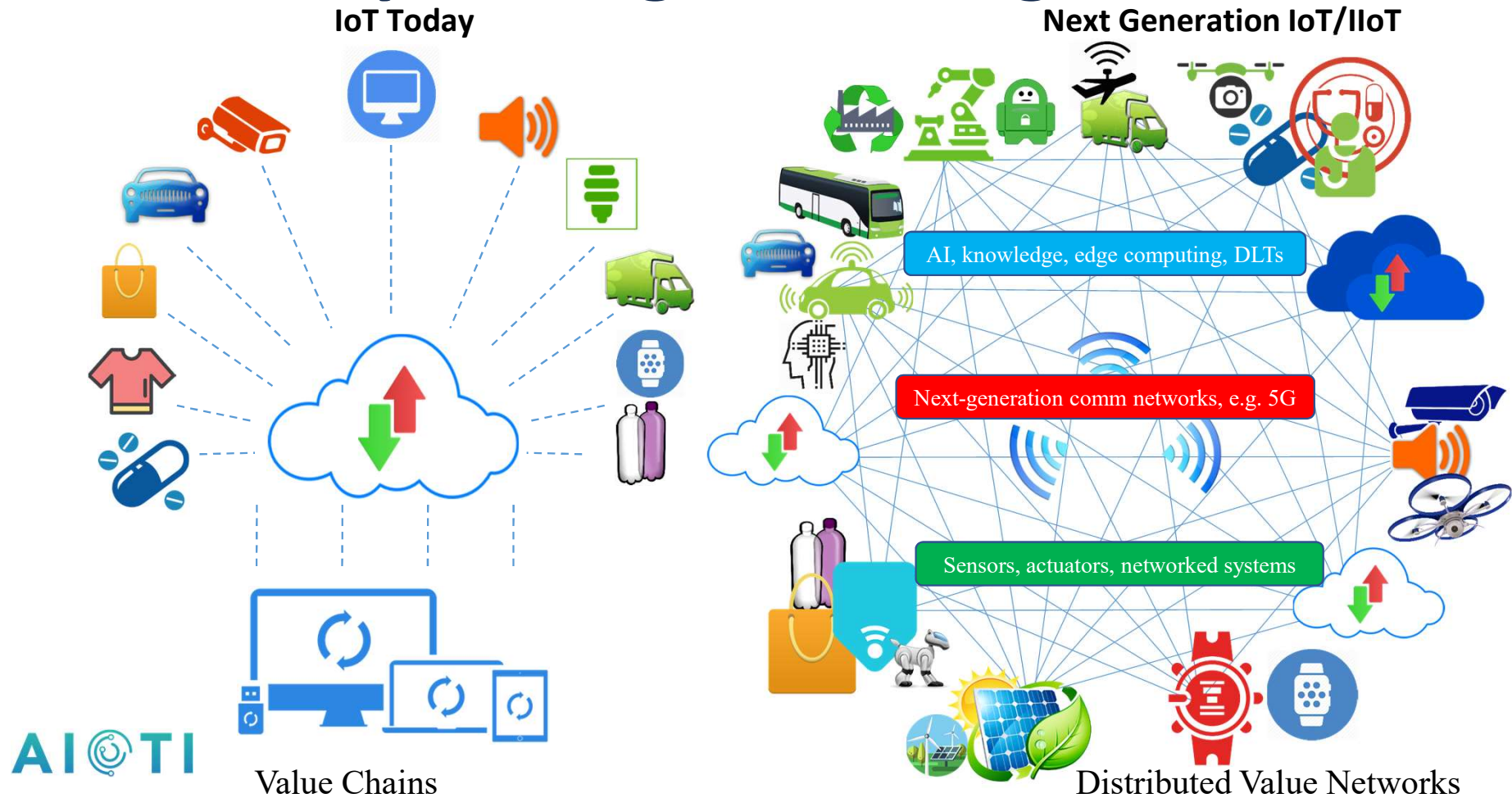
AIOTI Research and Innovation Priorities

Ovidiu Vermesan, SINTEF

AIOTI Structure



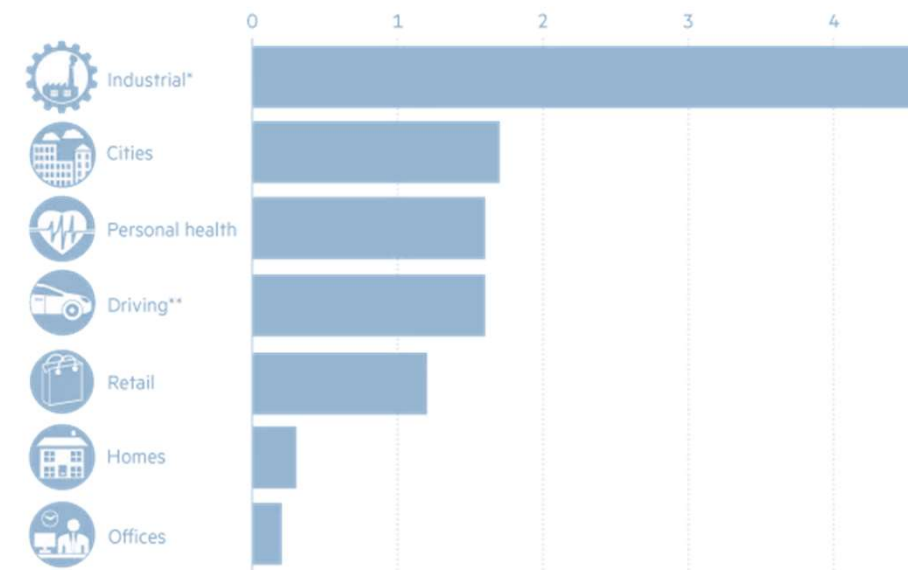
AIOTI - Key Strategic Challenges



AIOTI - Key Strategic Challenges

- Addressing rapid IoT/IIoT technological developments
- User acceptance of IoT/IIoT innovation, building trust
- Drive towards IoT/IIoT technologies and applications deployment
- Managing the risk of fragmentation, converge in a field of international competition
- Involvement of SME's
- Education and information to stakeholders in their context

Tech shift: internet of things development
Economic impact by area in 2025, high end of annual estimates (\$tn)



* Includes factories and work sites ** Includes autonomous vehicles, navigation and reduced insurance

Source: McKinsey

AIOTI Priorities



- Reference documents:
- Research and Innovation Priorities for IoT - Industrial, Business and Consumer Solutions, August 2018.
- Advancing EU IoT Research and Innovation - AIOTI's position on Horizon Europe and Digital Europe, August 2018.
- AIOTI Report on IoT Relation and Impact on 5G.
- Joint 5GIA-AIOTI Vision on Future Networks, Services and Applications – High societal and economic impact potentials for a collaborative approach in the Horizon Europe Programme, March 2019.

IoT/IIoT - Industrial, Business and Consumer

Configuration, Orchestration and Open Device Management

Edge, Mobile Edge Computing and Processing

IoT Platforms

IoT Distributed and Federated Architectures integrated with the 5G architecture and AI

Digital Twins for IoT

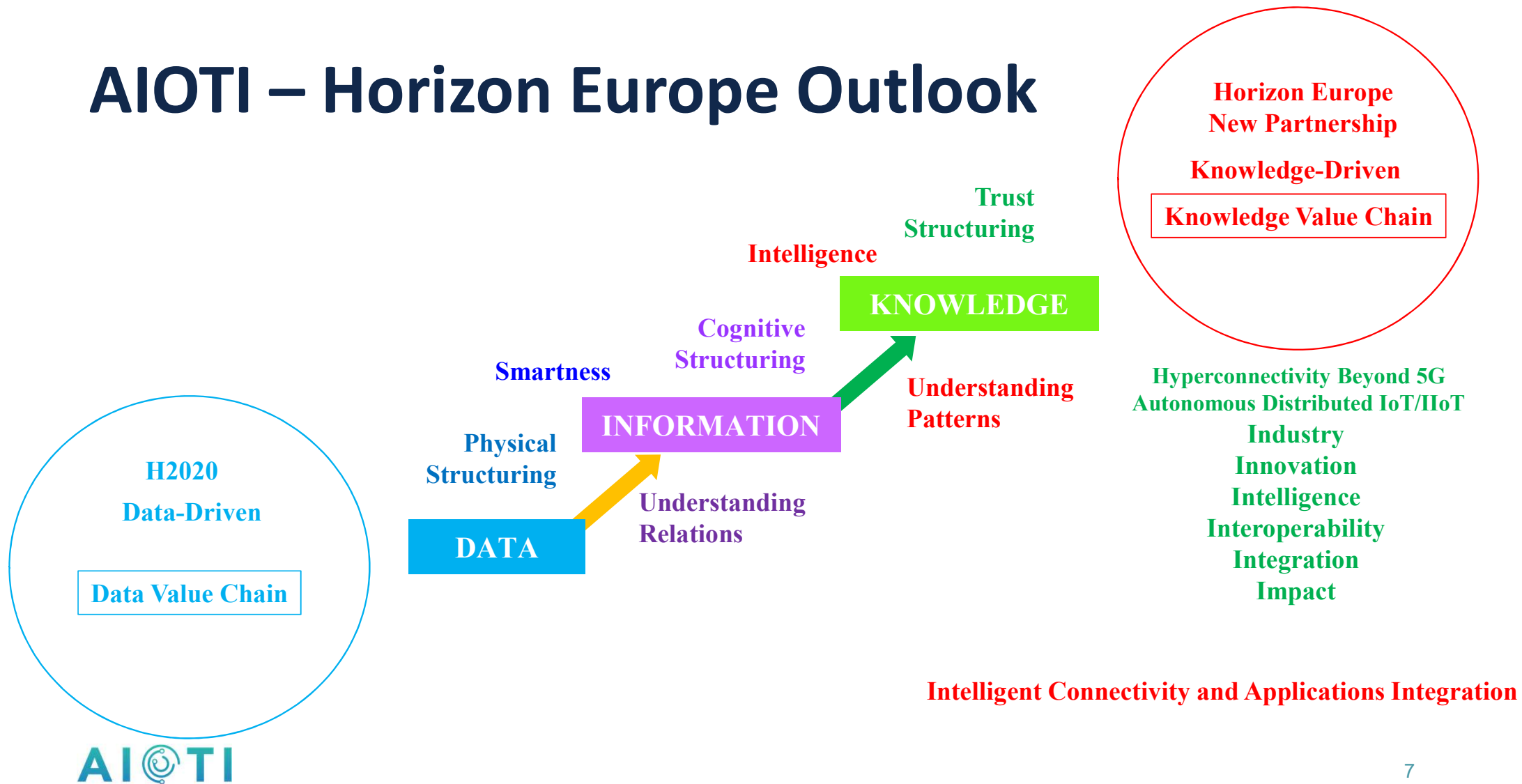
Tactile and Industrial-Tactile IoT

IoT and Distributed Ledger Technologies (DLTs)

IoT and Artificial Intelligence (AI) Methods and Techniques

IoT Privacy, Safety, Security, and Trust

AIOTI – Horizon Europe Outlook





Alliance for Internet of Things Innovation

@aioti_eu
www.aioti.eu